

# APPARATUS FOR INFRARED RADIATION DETECTION

## Abstract

A thermal detection device having hot and cold regions, first and second thermocouples disposed across the hot and cold regions each with terminals at the cold region, a thermal absorber disposed at the hot region and in thermal communication with the first and second thermocouples, and a base header having a support surface and a non-support surface. A portion of the support surface opposes a portion of the cold region, and a portion of the non-support surface opposes a portion of the hot region. The second thermocouple has a polarity opposite to the polarity of the first thermocouple.